REMARKS

Applicant respectfully requests reconsideration and allowance of the subject application. Claims 1-30 are pending.

35 U.S.C. §102 Claim Rejections

Claims 1-2, 5-10, 13-18, 20-22, 24, 26-28, and 30 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,081,902 to Cho (hereinafter, "Cho") (*Office Action* p.2). Applicant respectfully traverses the rejection.

Cho describes that when a power switch on a computer is pressed by a user, power within the computer is cut off such that the display screen power is shutdown just before the computer system power is cut off (*Cho* col.3, lines 35-39; col.4, lines 21-24). Cho simply sends an interrupt signal (S200, Fig. 4) to output a display power shutdown signal (S220, Fig. 5) to shutdown various signals of the display (S222-S227, Fig. 6). When the display is shutdown, a system power off signal is output (S400, Fig. 4) to cut off the computer power.

Contrary to Cho, Applicant describes that when a shutdown control of a computing device is selected, a process is initiated to shutdown the operating system and any other processes running on the computing device to a point at which it is safe to turn off the power to the computing device. Additionally, Applicant claims that power to operate a graphical display is turned off before shutting down the processes running on the computing device (*see* claim 1, for example). Cho makes no mention of cutting off the power for a display screen before shutting down an operating system and/or any other processes that may be running on the computer.

Examiner's Response to Arguments

The Office contends that Applicant is not persuasive when arguing that Cho makes no mention of shutting down an operating system and/or any other processes that may be running on the computer (*Office Action* p.4). However,

5 Cho only describes that display screen power is shutdown just before the computer system power is cut off. There is no mention in Cho of operating system(s) or other processes that may be running on the computer.

Further, Cho is expressly directed to turning off the display screen just before computer power is turned off to prevent flicker and damaging the

10 display screen with an abrupt electrical surge (*Cho* col.3, line 42 to col.4, line 5). There is no mention in Cho of turning off a graphical display to conserve power before shutting down an operating system and/or any other processes that may be running on a computing device.

The Office refers to a "system management interrupt signal 2 to initiate

15 a power shutdown process", described in Cho at col.4, lines 27-28 (*Office Action* p.4). Cho continues to describe that a CPU receives the interrupt signal 2 and outputs a display power shutdown signal 4 (*Cho* col.4, lines 32-35). Again, there is no mention in Cho of operating system(s) or other processes that may be running on the computer, and no mention of turning off a

20 graphical display to conserve power before shutting down the operating system(s) or other processes.

Claim 1 recites a portable computing device comprising "a selectable control configured to initiate a shutdown of a process running on the portable

25 computing device and to initiate turning off power to operate the portable computing device", and "a component configured to turn off the graphical display and conserve the power to operate the graphical display when the

selectable control is selected and before the shutdown of the process running on the portable computing device is initiated."

Cho does not show or disclose turning off the graphical display <u>before</u> the shutdown of the process running on the portable computing device is initiated, as recited in claim 1. Cho makes no mention of turning off a graphical display before shutting down a process that may be running on a computer. Further, Cho makes no mention of conserving power to operate the graphical display, as recited in claim 1. Cho only describes shutting down the display screen power just before the computer system power is cut off.

The Office relies on Cho at col.4, lines 21-24 which describes that a microcomputer first sends out a signal to cut off power to a liquid crystal display and then sends out a signal to cut off power to the entire system (*Office Action* p.2). There is no mention in Cho of conserving power to operate the display, and no mention of turning off the display before shutting down a process running on the computer, as recited in claim 1.

Accordingly, claim 1 along with dependent claims 2 and 5-7 are allowable over Cho, and Applicant respectfully requests that the §102 rejection be withdrawn.

<u>Claim 8</u> recites an electronic device comprising "a selectable control configured to initiate a shutdown of a process running on the electronic device and to initiate turning off power to operate the electronic device", and "a component configured to turn off the graphical display when the selectable control is selected and before the shutdown of the process running on the electronic device is initiated."

As described above in the response to the rejection of claim 1, Cho does not show or disclose turning off a graphical display before shutting down a

process running on an electronic device, as recited in claim 8. Accordingly, claim 8 along with dependent claims 9-10 and 13-15 are allowable over Cho, and Applicant respectfully requests that the §102 rejection be withdrawn.

5   Claim 16 recites a display device comprising "a graphical display" and "a display component configured to turn off the graphical display when an operating system shutdown control is selected and before a process to shutdown the operating system is initiated."

As described above in the response to the rejection of claim 1, Cho does
10   not show or disclose turning off a graphical display before a process to shut down an operating system is initiated, as recited in claim 16. The Office rejects claim 16 along with claim 1 over Cho at col.4, lines 21-24. However, there is no mention in Cho of shutting down an operating system, or turning off a graphical display before shutting down the operating system. Accordingly,
15   claim 16 along with dependent claims 17-18 and 20-21 are allowable over Cho, and Applicant respectfully requests that the §102 rejection be withdrawn.

Claim 22 recites a method comprising "initiating a shutdown of a process running on a computing device in response to a selectable control being
20   selected", and "turning off a graphical display of the computing device to conserve power that operates the graphical display when the selectable control is selected and before initiating the shutdown of the process running on the computing device."

As described above in the response to the rejection of claim 1, Cho does
25   not show or disclose turning off a graphical display before initiating a shutdown of a process running on a computing device, and does not show or disclose conserving power to operate the graphical display, as recited in

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claim 22. Accordingly, claim 22 along with dependent claims 24 and 26-27 are allowable over Cho, and Applicant respectfully requests that the §102 rejection be withdrawn.

5   Claim 28 recites "turning off a graphical display of the computing device to conserve power to operate the graphical display when the operating system selectable control is selected and before initiating the shutdown of the process running on the portable computing device."

As described above in the response to the rejection of claim 1, Cho does 10 not show or disclose turning off a graphical display before initiating a shutdown of a process running on a portable computing device, and does not show or disclose to conserve power to operate the graphical display, as recited in claim 28. Accordingly, claim 28 along with dependent claim 30 are allowable over Cho, and Applicant respectfully requests that the §102 rejection 15 be withdrawn.

35 U.S.C. §103 Claim Rejections

Claims 3-4, 11-12, 19, 23, 25, and 29 are rejected under 35 U.S.C. §103(a) for obviousness over Cho (*Office Action* p.3). Applicant respectfully 20 traverses the rejection.

As described above in the response to the rejection of independent claims 1, 8, 16, 22, and 28, Cho does not show or disclose the combination of features recited in these claims. Therefore, claims 3-4 are allowable by virtue of their dependency upon allowable claim 1, claims 11-12 are allowable by 25 virtue of their dependency upon allowable claim 8, claim 19 is allowable by virtue of its dependency upon allowable claim 16, claims 23 and 25 are

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allowable by virtue of their dependency upon allowable claim 22, and claim 29 is allowable by virtue of its dependency upon claim 28.

Accordingly, claims 3-4, 11-12, 19, 23, 25, and 29 are allowable over Cho, and Applicant respectfully requests that the §103 rejection be withdrawn.

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Conclusion

Pending claims 1-30 are in condition for allowance. Applicant respectfully requests reconsideration and issuance of the subject application. If any issues remain that preclude issuance of this application, the Examiner is

10   urged to contact the undersigned attorney before issuing a subsequent Action.

Respectfully Submitted,

Dated: _April 9, 2004_   By: _____

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